

L Number	Hits	Search Text	DB	Time stamp
1	18665	Seki.inv.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/06/24 10:51
2	0	Seki.inv. and organic adj (electro-luminescence (electro adj luminescence)) adj device	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/06/24 10:53
4	730	Seki.inv. and organic	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/06/24 10:56
3	2	Seki.inv. and (electro-luminescence (electro adj luminescence)) adj device	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/06/24 10:54
5	16	(Seki.inv. and organic) and ink adj jet	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/06/24 10:56

CLIPPEDIMAGE= JP02001341296A  
PAT-NO: JP02001341296A  
DOCUMENT-IDENTIFIER: JP 2001341296 A  
TITLE: METHOD FOR FORMING THIN FILM BY INK JET, INK JET  
UNIT, ORGANIC EL  
ELEMENT, AND METHOD FOR MANUFACTURING THE SAME

PUBN-DATE: December 11, 2001

INVENTOR-INFORMATION:

NAME	COUNTRY
OKADA, NOBUKO	N/A
SEKI, SHUNICHI	
MORII, KATSUYUKI	N/A
	N/A

ASSIGNEE-INFORMATION:

NAME	COUNTRY
SEIKO EPSON CORP	N/A

APPL-NO: JP2000376294  
APPL-DATE: December 11, 2000

INT-CL (IPC): B41J002/01; B05B001/14 ; B05C005/00 ;  
B05C011/06 ; B05D003/04  
; H05B033/10 ; H05B033/14

ABSTRACT:

PROBLEM TO BE SOLVED: To obtain a method for forming a thin film by ink jet in which a thin film exhibiting a high uniformity in the plane of a substrate can be obtained even when the solvent of a liquid being ejected has a high density.

SOLUTION: A gas flow tube 5 having a sufficient length is secured to a rear part of an ink jet head 2. Liquid is ejected while blowing out a gas constantly from the tube 5 toward the plane of a substrate 1. Solvent vapor evaporated from a liquid drop placed on the substrate 1 is blown and removed by

the gas from the tube 5 immediately after the liquid drop is placed on the substrate 1. The removed gas is not directed toward the region where the liquid drop is placed, and the region where the liquid drop is placed already. According to the arrangement, difference in the drying speed of liquid drop caused by the arranging order of liquid drops is decreased.

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CLIPPEDIMAGE= JP02001291583A  
PAT-NO: JP02001291583A  
DOCUMENT-IDENTIFIER: JP 2001291583 A  
TITLE: ORGANIC EL ELEMENT AND MANUFACTURING METHOD OF  
ORGANIC EL ELEMENT

PUBN-DATE: October 19, 2001

INVENTOR-INFORMATION:

NAME	COUNTRY
MORII, KATSUYUKI	N/A
SEKI, SHUNICHI	
OKADA, NOBUKO	N/A
	N/A

ASSIGNEE-INFORMATION:

NAME	COUNTRY
SEIKO EPSON CORP	N/A

APPL-NO: JP2000105997  
APPL-DATE: April 7, 2000

INT-CL (IPC): H05B033/10; B05D007/00 ; H05B033/12 ;  
H05B033/14

ABSTRACT:

PROBLEM TO BE SOLVED: To form a uniform organic EL thin film by controlling the organic EL film thickness in a picture element in a manufacturing of organic EL element by an ink-jet method.

SOLUTION: In a fixed area surrounded by banks 32, 33, an ink composition 35 is ejected from an ink jet head 34 and a film is formed. Next, an ink composition 37 having a solid content concentration not more than that of the ink composition 35 that have been ejected in the last time, to form an organic EL thin film of uniform and desired thickness in the pixel.

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